

What is claimed is:

1. A security element disposed in a web surface, comprising:
at least one first surface element of electrically conductive and non-
5 conductive sections; and
at least one second surface element of optical diffraction.
2. The security element of claim 1, wherein the electrically conductive
sections are of different conductivities.
- 10 3. The security element of claim 1, wherein the first and second surface
elements are interdigitated.
4. The security element of claim 1, wherein the electrically conductive
15 sections are disposed in the web surface on different planes thereof.
5. The security element of claim 1, wherein the electrically conductive
sections are made of metal.
- 20 6. The security element of claim 1, wherein the electrically conductive
sections are made of electrically conductive ink.
7. The security element of claim 6, wherein the electrically non-conductive
sections are made of ink visually indistinguishable from the electrically
25 conductive ink.
8. The security element of claim 1, wherein at least one of the conductive,
non-conductive and optical diffraction surface elements is magnetically
responsive.